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THE LEHIGH BURR.

VOLUME 9.

1889-'90.



EDITORS.



Asa Emory Phillips, '90, Editor-in-Chief.

C. Herbert Miller, '90, Business Manager.

Edwin J. Prindle, '90, John S. Riegel, '90,

Walton Forstall, '91.

EDITORS FOR PART OF THE YEAR.

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Frederick S. Camp, '92.

Charles M. Hobbs, '92. 2

Charles W. Meade, '92.

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No. 1



THE LEHIGH BURR,

PUBLISHED SEMI-MONTHLY, DURING THE COLLEGE YEAR, BY THE STUDENTS
OF THE LEHIGH UNIVERSITY.

EDITORS:

ASA E. PHILLIPS, '90, *Editor-in-Chief*.

C. HERBERT MILLER, '90, *Business Manager*.

JOHN S. RIEGEL, '90, EDWIN J. PRINDLE, '90.

WALTON FORSTALL, '91.

TERMS:

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IN the Editorial Board, which assumes control with this first issue of the new collegiate year, there are five vacancies which remain yet to be filled—one from the Senior, two from the Junior and two from the Sophomore Class. It is desired to complete the representation of the various classes at once, and as soon as any member demonstrates a reasonable amount of literary ability he will be elected.

THIS issue of THE BURR is sent to every member of the Freshman Class, and it is expected that all will subscribe. If there is anyone who concludes not to do so he will please notify the Business Manager at once. We earnestly hope the older members of the University will favor us with a renewal of their subscriptions. The large expense of publishing THE BURR renders it necessary to secure as complete a subscription list as possible.

THE University is again without a Chaplain, the Rev. Mr. Snyder, also Professor of Psychology and Christian Evidences, having resigned, owing to ill health. And if, as seems probable, this vacancy is to continue during the year, it is to be hoped every effort will be made to bring leading divines here to

officiate at Chapel services on Sunday. Appreciation of such a course would doubtless be manifested by more uncomplaining and regular attendance and an increase of active interest in the services.

THE new course in Architecture has at length assumed definite proportions and finds a place among the other courses of the School of Technology upon the University roster. It is placed very properly in the department of Civil Engineering, under the charge of Prof. Merriman, with Mr. Wilcox as instructor. For the first two years the course will be similar to the other technicals of that department, and in the Junior year Drawing and Perspective will be substituted for Surveying. A large number of the Freshmen intend taking this course, and in such capable hands it can scarcely fail of success.

THE recent issue of "Extracts from the Rules," which has as usual been distributed among the new students, contains few important additions, although the pamphlet has grown considerably in size. But we are led to expect a more rigorous enforcement than heretofore, especially of the penalties for more than the permitted number of absences and conditions.

Regarding this much vexed subject of absences, the number of cases summarily dealt with toward the close of last term may serve as a wholesome lesson during this year. Certainly there will not be the opportunities for the indulgent correction of mistakes which led to such extensive abuse, and those whose propensity for cutting has obtained some development, as well as those with as yet unformed habits of regularity, will do well to make a good start and continue as they have begun.

THE course of Physics and Electrical Engineering, established but one year ago, having passed the test of a most successful year with highly creditable results, now

promises to take the lead as one of the most important courses in the School of Technology. Notwithstanding the great number of similar courses established in the various colleges throughout the country, the reputation of our University for thorough work has attracted a very large number of students hither, and although this department has been considerably enlarged and improved, it promises to be tested to its utmost capacity. There is expected from electrical science marvelous progress within the next few years, and certainly the opportunities for industrial occupation are not exceeded by the possibilities in the way of original investigation and discovery.

It is to be hoped there will be no further delay in providing this important department with a building properly constructed and equipped, and of sufficient size to accommodate the rapidly increasing number of students. Necessity knows no law and by another year we hope to see upon the campus a Physical Laboratory which will compare favorably with the other buildings.

WHILE it was apparent to all, the custom inaugurated last year of wearing the gown and mortar-board cap to chapel services on Sunday was not even then altogether a success, it is to be hoped this really excellent practice will not be allowed to relapse into innocuous desuetude, but that some effort will be made to revive it during this pleasant autumn weather.

No doubt possessing serious disadvantages in the way of masculine comfort and convenience, beside that dread of innovation—which is not, however, the always apparent instinct of the typical college man—there is yet enough reason to desire the continuance of this custom.

Let the men who so enthusiastically advocated the adoption of the cap and gown one year ago show sufficient steadfastness of purpose to continue to wear them to Sunday chapel, where as yet scarcely a mortar board

has been seen, and their example may soon find many imitators, while it will at least dispel the notion that this ideal college custom has been wholly abandoned here. Indeed a little patience in this matter of educating the general taste to a greater appreciation of the merits of the thing is what is now very much needed.

THE support given all college organizations constitutes a part—and a very important part—of the duty of every college man. THE BURR, as the exponent of affairs here at Lehigh for many years and the representative college paper, deserves a continuance of the hearty support hitherto accorded it, and it is confidently hoped the active interest of the student body and the Alumni will be maintained; that the opportunities to contribute to these columns will not be neglected and that individual support will be generously accorded, for only with this aid may THE BURR be satisfactorily issued. So obviously is it the duty of all to contribute to the financial support, of this at least we need make no particular mention.

Hoping these plain statements will receive the thoughtful consideration of every member of the University, it will suffice to declare our earnest intention to perform our duties faithfully, endeavoring to more than maintain the high degree of excellence which has heretofore characterized THE BURR. The duties of conducting such a journal require no inconsiderable sacrifice of time and a constant and thoughtful devotion to the work scarcely to be imagined by the wholly inexperienced, and it is just to expect in return a reasonable acknowledgment by the way of contributions and subscriptions.

AN examination of the rosters of the various departments and classes, as posted on the bulletin board at the beginning of the term, revealed the fact that there is to be no material change in the course of study hitherto prescribed. Only, indeed, to some extent, the

requirements are more severe and the number of hours considerably increased. Particularly is this true of the Senior Class, one department, at least, exacting as many as twenty-eight hours of compulsory recitation and exercises. A glance through the registers of the last few years exhibits a gradual increase in the number of required hours, but this particular roster shows a very marked advance.

It is a current superstition that the last year of college life is one to be devoted not altogether to grinding, but rather to a sedate study in the higher branches of whatever profession, with reasonable opportunities for independent work, and the congenial pursuit of special topics which the individual taste may suggest. But, however, this may be realized elsewhere, such is far from the state of things in the School of Technology.

Without entering into a consideration of the benefits and injuries inflicted on the individual by a course in one of the departments of the Technical School, it is patent to everyone that the limits of prudence and good judgment may be quite easily exceeded by too rigorous requirements, producing not alone unfortunate dwarfing of individuality, but the serious decimation of classes and habits of work of necessity careless and inefficient.

Doubtless the increased demands of the rosters are largely due to the ever widening scope of the various scientific professions, to causes entirely beyond the control of the professors in charge; but whatever these may be and whatever remedies may discover themselves when the true designs of education become better appreciated, it is to be hoped some immediate relief will be afforded.

WHILE the manager is arranging his schedule for the football season and before definite dates and places are decided upon, we wish to say a word regarding the Cornell game. For two seasons we have sent a team to Elmira to play the Ithaca eleven, during the Thanksgiving holidays or there-

abouts, and each time the result has been entirely unsatisfactory to both colleges. Particularly was this the case last autumn. Cornell then complained with some apparent show of reason that the game was indecisive and indeed that it should have been won by their eleven; and our men returned, excusing the poor play they put up by the bad weather and the execrable condition of the grounds.

Now it is very much desired here that a thoroughly satisfactory game be played this year so that there may be no ground for controversy, and whichever side wins that the score may be decisive beyond the possibility of quibbling and dispute. Of course this may not happen, but at least every precaution may be taken to ensure such a result. The great objection to holding the game so late in the season is the bad weather we usually have in the latter part of November, and on this account it is very necessary that the date be fixed not later than November first.

Concerning the place we will say as the Lehigh team has gone both times to New York it is reasonable that Cornell's should now come here. Our grounds furnish as fine a foot ball field as could be desired—there is hardly a better anywhere—and should the date be fixed here we can assure the Cornell team, and all who may accompany them, every attention and the most courteous treatment.

The practice of holding collegiate games in cities removed from both colleges, although in the past somewhat indulged, is not altogether a good one. The contest generally partakes rather too much of a professional exhibition and tends in no way to elevate the standard of college athletics. Sensational advertising and the like are, to say the least, very distasteful features of these catch-penny affairs. Where the colleges own private grounds, as is now the case at Springfield, of course the conditions are different, but we hope no more Cornell-Lehigh games will be played on public grounds removed from both colleges.

CLASS POEM OF '89.

OLD Shakespeare once wrote of the seven long
ages

That go to complete this life's little span,
And four of these seven most critical stages
Go to make up the life of the college man.

First cometh the Freshman, his small bosom swelling
With thoughts of the greatness he means to attain,
But little he knows that with sorrows o'erwhelming
He'll soon have sufficient to worry his brain.

This four years ago since these grave men and solemn,
With faces now furrowed with study and care,
Marched over this campus a long verdant column,
Refreshing and green as the grass over there.

We reached yon grim portals, our stern foes we grap-
ple,

We fight with the Sophs 'till an entrance is gained,
We struggle, we triumph, we rush into chapel;
The zenith of glory we think we've obtained.

But alas! our great troubles are only beginning.

We are worried by men who would shorten our life,
Whose natures are hardened and callous from sinning,
Who made our existence a long weary strife.

All day long we struggled with roots and equation,
We studied of angles that lie in a plane,
We dabbled in acids with no small elation.

With French and with German we grappled in vain.
In our natures at last we began to discover
An element commonly known as brass,
So—all but some thirty who couldn't get over—
Walked over the bridge to the Sophomore Class.

O, sing gentle muse of all glory and greatness,
O, sing of the men who at learning would scoff,
O, sing of his wondrous conceited sedateness,
That wonderful being that men call—a Soph.

This wonderful creature, you cannot mistake him,
A swaggering air and a big-headed cane,
The poor Freshman trembles whenever he sees him;
Of all the professor this thing is the bane.

But, just as the butterfly comes from the worm,
This green looking creature cracks open his skin,
And lo! and behold! all perfect in form,
A beautiful Junior comes forth from within.

The Junior in fact is the "pink of perfection,"
And also, sub rosa, a bit of an ass
Until in due season, by natural selection,
He gracefully enters the Senior Class.

The Senior—description of him would be rash;
Look round for yourselves and judge if you can,
His grave thoughtful brow and his budding moustache,
Proclaim in the Senior the soon to be man.

Already he hears in the distance the hum
Of the great world stretched out 'neath his wonder-
ing eyes.

Into college he walked o'er the pons asinorum,
And sadly walks out o'er the bridge of sighs.

Long ago on a mountain side,
A hundred rills once ran together,
Then swiftly away to purl and glide
Adown the hill in sunny weather:
Little caring for rock or hill,
For plain, or vale, for rain or shine,
Churning away with a sturdy will—
So started the Class of 'Eighty-nine.

Four long years the stream ran on,
Through gloomy cavern, o'er sunny lea,
And this was the burden of its song—
"The sea, the sea, the open sea."
Broader and deeper it cut its way,
And dug its channel through rock and shale,
Churned into foam and lashed into spray,
Now laughing along through meadow and dale,
'Till it paused a moment and ceased its strife
When it tasted the salt of the ocean's brine.
And here, on the brink of the ocean of life,
So pauses the Class of 'Eighty-nine.

Over this ocean man must sail,
Must weather every storm and gale
The fickle wind of fortune blows;
Dangers he must pass ere'while,
The Lotos Eaters' calm repose,
The sirens' fair enchanted isle;
As Homer's heroes in days of old.

And, if we are ever wise and bold,
Then, like the sun when he drops to rest,
Like a ball of fire in the glowing west,
And leaves the sky in a blaze of gold,
And red, like rubies beyond all price,
'Till it seems that the purple clouds unfold,
And we see the gates of Paradise;
So at last when we sink from sight,
O'er the horizon from mortal ken,
We shall leave behind us a glorious light
To guide the course of our brother men.

Ours is a land that scorns repose;
Bands of steel o'er its surface run;
Where stately forests once arose,
Smoky factories obscure the sun.
In rocky mountain passes where
The calm of ages long has lain,
The wolf is startled from his lair

By the shriek and whistle of the train.
 The flood by iron paths we span,
 Progress is ever in the van:
 Work is the name of our talisman.

Can we who stand for the last time here,
 Creep into the future as if by stealth,
 See ourselves toiling year by year
 For that wonderful thing that men call wealth?

We will pause from time to time,
 Cease from our struggle a little while,
 Gaze down the rugged path we climb,
 Slowly and wearily, mile by mile,
 See in the distance a glorious light,
 Like a constellation behind us shine,
 Giving fresh courage for the fight—
 Our dear old College and 'Eighty-nine.

THE GOSSIP.

YEAR after year The Gossip observes the annual return to college, with a mixture of feelings, as train upon train brings its little group of old familiar faces, half amused, half pathetic. What a number never come back! How many give up the arduous struggle for a sheepskin, lacking courage to face the burden of conditions that awaits them; and then there are family troubles which demand presence elsewhere, and misfortunes of every sort. But the thinned ranks close up, and with the new horde of that ever interesting animal, he is loth to be content. To old friends and new alike, The Gossip extends hearty greetings and hopes these coming months may be happy, fruitful ones to all.

* * *

Not a ripple of excitement marked the opening exercises Wednesday afternoon; the Freshmen, undisturbed by scuffle or jeer passed quietly into Chapel as though for the fiftieth time, and the old struggles through the doors of Packer Hall seemed odd memories beside this uneventful, matter-of-fact installation. The contest, however, has only been transferred to other and more appropriate ground, for the enthusiasm displayed during the past fortnight, gives evidence that a healthy spirit of rivalry between the lower classes as ever exists, and forecasts an interest-

ing contest for finally settling the question of the cane.

* * *

It has been a source of considerable surprise to The Gossip, that so few of Lehigh's graduates seek positions in the various scientific bureaus of the Government. These offer opportunities for well equipped men to devote themselves to original research while performing the practical duties of their profession, and to win name and place as scientists, such as are to be found nowhere else. The Geological Survey in particular is becoming a very important bureau. At present engaged in extended irrigation surveys in the West, it will permit the study of the scientific problems of irrigation of the desert lands in Utah, New Mexico, and Arizona, which is becoming one of the great engineering topics of the day, and for the solution of which Congress is annually appropriating large sums.

* * *

The combine or "trust," which the shopkeepers of the Bethlehems have entered into, by which they pledge themselves not to *trust* is one of the petty surprises which we have grown to expect on our annual return. The Summer season here seems to be remarkably favorable to the incubation of small schemes of which the student is invariably the victim, and indeed, the exceedingly dense lull that settles over these towns when the Summer vacation begins makes it a matter of little wonder. A year ago we were greeted by a boarding-house combine for the advancement of rates, and the year before a room-renter's trust was sprung upon the luckless student. This new scheme is wholly uncalled-for, and there is little doubt it will soon share the fate of former September surprises.

* * *

Among the minor improvements introduced on the campus since the close of last term, the new drive on the west side and the walk opening into Vine street deserve mention, and will doubtless be found of great convenience. The

reason for the location of the old walk was one of those enigmatic mysteries The Gossip has often vainly endeavored to solve.

ADDITIONS TO THE FACULTY.

SEVERAL changes in the Faculty have occurred during the past Summer. The Rev. A. W. Snyder has resigned his position as Chaplain of the University, and as yet his successor has not been appointed. In the Department of Chemistry, Paul Dashiell, A. B., Johns Hopkins, '87, has succeeded C. W. Marsh as instructor in Organic Chemistry; and Ernest A. Congdon, Ph. B., Columbia School of Mines, '87, has taken charge of the Qualitative Laboratory, *vice* L. R. Lenox, who succeeds G. M. Richardson as instructor in Quantitative Analysis. R. O. Heinrich, Elec., '88, has returned to Lehigh as an additional instructor in the Department of Physics and Electrical Engineering. R. M. Wilcox, C. E., Sheffield Scientific School, '88, and G. W. Sherwood, A. B., C. E., Union College, '83, have succeeded S. W. Frescoln and S. V. Rice respectively, as instructors in the Department of Civil Engineering.

THE FRESHMAN CLASS.

IT cannot fail to be a source of gratification to all interested in the progress and welfare of the University that the largest class in her history enters this year; not only that, but by far a greater number of applicants than ever before presented themselves at the annual entrance examinations. Out of the nearly three hundred that applied, one hundred and seventy-four passed satisfactory examinations and were admitted.

From a class so large it is natural to expect much good athletic material, and the general appearance of the men seems to justify these expectations, which the petty rushes that have occurred with the Sophomore Class, have not served to diminish. On the foot-ball field this Fall and in other athletics, the Class of '93 will doubtless make a very creditable showing.

It is another agreeable fact that the average age is considerably greater than that of the last few years. The growing tendency of young men with hasty and inadequate preparation to rush into college at an immature age, attempting the advanced work of the classical schools or the mastering of the difficult scientific professions, has long been a serious problem to those interested in higher education. Good results have not come from it, and the University authorities, as well as those desirous of seeing better developed and older men to take part in athletic contests, will welcome this change for the better.

According to modern ideas of collegiate training, the class-room is not alone the source of development of young men pursuing courses of advanced education. Athletic training is generally regarded as a very important adjunct, and in this regard, to several considerations, we would direct the attention of the Freshmen.

All the athletic teams have suffered severe loss by the graduation of the Class of '89, and it is from this new body of men many of the necessary recruits are to be obtained. But it is to be remembered, places are to be gained on the foot-ball and other teams, only by faithful and thorough training, for which the compensation by reason of our excellent reputation in athletics is entirely commensurate. The foot-ball team needs a centre-rush, a good kicking full-back and one or more rushers, and there is no reason why several of these places should not go to the Class of '93.

Regarding rushing, a word of explanation may be beneficial. This practice is merely tolerated by the Faculty, and, while the rules prohibit it, if indulged within proper limits there is no reason for apprehension. But the bounds of propriety should not be exceeded.

There is one notion prevalent among the wholly untried and younger men which in the beginning may as well be dispensed with. It is the timidity of such as these to try their

powers in athletic contest. The requirements for success in the various branches of athletics are so varied, that no man sound physically, need hesitate to work for honors. Light men, comparatively young in years, have frequently the best possibilities of development, and no one, not physically disabled, should fear of ultimate success, if he will but train faithfully.

IN THE GARDEN.

SWEET Rosalind is in the garden walking—
And listens to the singing of the birds,
A sort of secret language they are talking,
While bending flight to earth and heavenwards.
Anon she stoops and picks a flower swaying,
And plucks the glowing petals from their place;
"Yes," "no," "yes," "no," her lips are softly saying,
The last one "yes," and blushing hides her face.

COMMUNICATIONS.

[The editors are not responsible for any opinions expressed in this column. No anonymous communications published.]

EDITORS LEHIGH BURR:—Now that Electrical Engineering is a recognized course of study, in full standing with the other technical courses here, we deem it but justice that it should be recognized more fully by the Library authorities. No paper or journal specially devoted to electricity is taken. The *Scientific American* and a few other engineering journals contain occasional articles on the subject, but no acknowledged, leading journal that holds Electrical Engineering as a distinct profession is taken. *The Electrician*, *The Electrical Review*, *The Electrical World*, *The Electrical Engineer*, and many German, French and English journals on the same subject afford a large collection from which to choose. Not only those interested directly as students in the course, but other technicals also would greatly appreciate the addition of two or more of these journals to the library list.

ELECTRO-MECHANICAL.

EDITORS LEHIGH BURR:—There are many things which are expected of the present Freshman Class. From it all the places of trust and honor and of responsibility and

work must in their turn be filled. Among other organizations, looking to it for new life, is the Glee Club. This club has long held a place of honor in our college life, and has been the source of much pleasure; but, unless it receives new material to take the place of men who have graduated, it is doomed to oblivion. It lacks first tenors especially, although there are several vacant places among the other parts. In a short time an opportunity will be given, to all who wish, to enter a competitive trial for the vacant places. It frequently happens that, because of a lack of knowledge of music, or because of excessive modesty, men who have good voices do not attempt to gain a membership. We hope that the Glee Club will lose no good men from these causes this year, and that they will not be deprived of the pleasure of taking part in its entertainments.

K.

DE ALUMNIS.

[Contributions to this Department are solicited.]

'89.—Pearce Atkinson, M. E., is in the railway supply business at Chicago, Ill.

'89.—O. C. Burkhardt, B. S., is on the engineering corps of G. B. Markle & Co., at Jeddo, Pa.

'89.—J. B. Wright, C. E., is in the engineering department of the King's County Elevated Railroad.

'89.—A. D. Oberly, C. E., is on the engineering corps of the H. C. Frick Coke Company, Scottdale, Pa.

'89.—C. P. Turner, M. E., is the assistant engineer of tests for the Cambria Iron Company, Johnstown, Pa.

'89.—C. W. Hudson, C. E., has accepted a position with the bridge department of the New Jersey Steel and Iron Co., Trenton, N. J.

'89.—L. Henderson, C. E., is in the draughting office of Levering & Garrigues, engineers and contractors, 218 South Fourth Street, Philadelphia, Pa.

'89.—John Lockett, M. E., is the mechanical engineer for the Kalion Chemical Co., 31st Street and Gray's Ferry Road, Philadelphia,

a position formerly held by Geo. H. Cobb, M. E., '86.

'89.—The address of the class secretary is Editorial Rooms, New York *Tribune*, New York. Members are requested to forward as soon as possible information regarding their present situations.

'89.—A. T. Throop, C. E., is in the employ of Bassett Bros., engineers and contractors, 298 Main Street, Buffalo, N. Y. He is stationed at Palmyra, N. Y., engaged in water works construction.

'89.—Chas. H. Deans, C. E., has been employed on the construction of a light-house in Boston Harbor since graduation and will remain there until about Jan. 1, 1890. He is with Sooy, Smith & Co., of New York, contracting engineers.

KERNELS.

—The physical examination of the Freshmen is now in progress.

—Reese, '89, was on the United States Coast Survey during the vacation.

—The '93 men will miss half their lives in never having the pleasure of meeting "Shoddy."

—Lawder, ex-'92, is at present at West Point, taking the entrance examinations for the Military Academy.

—At a meeting of the Junior Class held recently, J. R. Barrios was elected manager of the class foot-ball team.

—There are about twenty-five men in '93 who have registered their names as applicants for positions on its ball nine.

—There are twelve men at the training table, and the chances for a good foot-ball team this year are excellent.

—Pratt, '90, was in Illinois this Summer with the Elgin, Joliet & Eastern Railroad during its location and construction.

—There are at present one hundred and sixty-five names on the roll of the Freshman Class. Past records are nowhere.

—Fifteen years and four months is the age of the youngest man in '93, and twenty-three years and eight months that of the oldest.

—Fisher, '90, has been working, during the Summer, on an engineer corps on the Schuylkill Division of the Pennsylvania Railroad.

—'Ninety-three possesses a banner fiend. So far he has hung up four banners, which after more or less effort, have been torn down by '92.

—The ground floor of Christmas Hall has been fitted up as a Laboratory for the Sophomore Electricals, who will be in the charge of Mr. Heinrich.

—The Beta Chi Chapter of the Phi Gamma Delta Fraternity have established themselves in a commodious Chapter House at No. 66 Church street.

—The New Street Bridge is again decorated with green paint, put there, presumably, by the Sophomores, and the bridge authorities are on the warpath.

—The officers, pro tem., of the Freshman Class: President, E. M. Sawtelle; Secretary, R. Ferriday; Treasurer, F. P. Fuller; Athletic Manager, C. W. Throckmorton.

—Gymnasium work will begin in two weeks. It is very necessary that the new men procure gymnasium suits, and Mr. Seeley is prepared to furnish the latter at cost price.

—Through the courtesy of Charles M. Taylor, '76, of the firm of Carnegie, Phipps & Co., the Senior Class of civil engineers were each presented with a copy of the "Pocket Companion," issued by the company.

—The re-examinations in entrance requirements occur on the following Saturdays: Geometry, Oct. 12; grammar, Oct. 19; arithmetic, Oct. 26; physics, Nov. 2; geography and U. S. history, Nov. 9; algebra, Nov. 30.

—The officers of the Electrical Engineering Society for the Fall term, are the following: President, H. S. Borhek; Vice-President, F.

A. Merrick; Secretary, J. B. Buckley; Treasurer, J. S. Lockwood. All are '91 men.

—Mr. Wilcox, one of the new instructors in civil engineering, has kindly undertaken to coach the Foot-Ball Team, which is improving rapidly under his hand. Mr. Wilcox was at one time a player on the Yale University eleven.

—Prof. Harding no longer lectures to the Sophomores on Physics. The class has been divided into two sections, one reporting to Mr. Housekeeper and the other to Mr. Heinrich, and the work consists partly of recitations and partly of lectures.

—There will be a tennis tournament on the grounds of the Lawn Tennis Association about the middle of October. The tournament will consist of both doubles and singles, and it is only open to members of the association. All who desire to join should hand their names to the secretary.

—At a meeting of the Lawn Tennis Association, held Sept. 16th, the following officers for the ensuing year were elected: President, J. W. Anderson, '89; Vice-President, M. B. Augur, '91; Secretary and Treasurer, A. C. Howard, '91; Member of Executive Committee, C. McK. Leoser, '91.

—The following clergymen officiated at the different Sunday services during last month: On the 15th, Rev. Charles J. Wood, of St. Paul's Church, Lock Haven, Pa.; on the 21st, Rev. Dr. Theodore M. Riley, Professor in the Theological Seminary at Nashotah, Wis., and on the 29th, Rev. J. Lewis Parks, S. T. D., of Middletown, Conn.

—On Sept. 19th, the Freshmen succeeded in having their class picture taken. The class remained in the chemistry lecture room until 12:45 P. M., and then they poured out of the Laboratory, proceeding to the east side of the Metallurgical wing, where they hurriedly arranged themselves into a confused group. Then Mr. Eggert appeared on the scene, coming from the Hydraulic Laboratory, and in

another instant the picture was taken. To the intense and agreeable surprise of many of the Freshmen, who saw in every student not of their number, if not in every bush, a Sophomore, none of the latter appeared to disturb the tranquility of the scene. The first to arrive were fully ten minutes too late, and were the recipients of many jeers from '93. An attempt was afterwards made to destroy the plate, but it was not successful, and at the present time '93's picture is a stern reality.

—The first rush between '92 and '93 occurred on the night of Sept. 14th, and a very lively one it was, too. It was brought on by the Freshmen, who, to the number of eighty or more, paraded parts of Bethlehem and South Bethlehem, headed by two of their men with canes. At the bridge over the Monocacy they were overtaken by a number of Sophomores, and the fun began. At first the Freshmen had it all their own way, and at one time the men in charge of the canes were seated on the steps of the electric light station in undisputed possession of their property. But soon there came a yell, followed by a rush of '92 reinforcements, and the fight was renewed with vigor. When it ended, '92 had one cane, but '93 still kept the other. Both classes seemed to be willing to call the rush a draw, so after witnessing the release of one of the students, who had been arrested by the vigilant police of the borough, the men dispersed.

ATHLETIC NOTES.

—Dana, '91, has been elected captain of Princeton's base-ball team.

—Cornell expects to build a boat-house in the Spring at New London.

—The Princeton Foot-Ball Association has a balance from last year of \$470.

—Harmer, '90, has been chosen captain of Yale's athletic team for the ensuing year.

—A large number of Princeton's college team played on the Cape May nine this Summer.

—The Harvard Freshman crew, which participated in the races this year, is generally regarded as the best Freshman crew ever sent from Cambridge.

—The Columbia College foot-ball management have secured the ground formerly used by Buffalo Bill's Wild West Show as practice grounds, for the first month.

—Cornell students are the recipients of a fine athletic field, comprising about nine acres, and a gift of \$3000 in addition, to be used in laying out a track and the erection of suitable buildings.

—No student of Williams College, not a member of the foot-ball or base-ball teams and not a representative at athletic meetings and tennis tournaments, is permitted to wear a "W" on his sweater.

—The athletic interests at Amherst have received a decided impetus due to a new athletic field presented by one of the Alumni. The field will contain a base-ball diamond, foot-ball grounds, tennis courts, and plenty of room for a track and grand stand.

—The president of Cornell University shows by a record of the standing of men who engage in the collegiate sports, that such students are, as a rule, stronger both physically and mentally than are those who do not engage in these exercises. This result contradicts the common argument that inter-collegiate games are detrimental to good scholarship.

EXCHANGES.

—Our readers will be amused by the following from one of our exchanges: "The Faculty of Lehigh command that all students wear the cap and gown and appear every Sunday in this collegiate costume."

—We are glad to note that *The Pulse* still "pulsates," notwithstanding her recent losses by fire. It is not too much to say that *The Pulse* is one of the best papers published among our Western colleges.

—The *Williams Weekly* contains a distinct flavoring of athletics and general college news, as well as a fair amount concerning Commencement. In this issue it presents a photo-gravure of the Hopkin's Memorial Building, designed mainly for recitation purposes.

—The various exchanges which have awaited our inspection since last June are replete with Commencement news and exercises. Among others on our table, none is more devoted to such items than the *Swarthmore Phoenix*. It is indeed, as the cover indicates, a "Commencement Issue."

—The *Brunonian* contains, perhaps, as little about Commencement as any of the papers, but the usual amount of excellent verse appears which has become so characteristic of this magazine. The story entitled "A Mystery" really does not impress the reader of having a plot so mysterious as that appellation would lead one to expect.

—The *Polytechnic* comes to us breathing the air of Commencement and reminiscence. Nearly one-half of the paper is devoted to notes of the Alumni and former students which cannot fail to interest those concerned in the welfare of the Rensselaer Polytechnic Institute. It also issues a supplement with this number containing a paper on "The railroad spiral and its application to existing roads," and another paper showing a graphical method for determining a tangent to the spiral of Archimedes. This supplement may be obtained by any person interested by applying to THE BURR.

COLLEGE NOTES.

—The new enrollment of students at Cornell is estimated at about 400.

—The rush at Princeton has taken place, and the Sophomores were victorious.

—Fraternities are prohibited at Princeton, Oberlin, Monmouth and Johns Hopkins.

—Harvard University has conferred the honorary degree of LL.D. upon President Patton of Princeton.

—Yale has an unusually large Freshman Class this year. There are 230 new students in the Academic and 150 in the Scientific department.

—Out of 1200 undergraduates at Cornell nearly two-thirds come from the State of New York, and both sexes are largely from the farming region of the interior.

—President F. A. P. Barnard, the venerable president of Columbia College who died a few months ago, bequeathed to it his library, his instruments and the bulk of his fortune.

—The *Amherst Student*, in its last issue, denies the report that has been circulating in various college papers to the effect that the number of students in that institution is limited to 300. The *Student* explains the apparent foundation of such report by stating that some of the members of the Faculty would like to see this action taken, but that the trustees neither have been nor are they likely to be petitioned.

—Dr. Elias Loomis, who died at New Haven Aug. 15, was one of the best known professors in America, and widely celebrated for an excellent series of text books, several of which have been translated into different languages and used in European institutions. His published works, including scientific books and papers, exceed one hundred in number. For many years he led a solitary life, keeping aloof from society, and his eccentricities were remarkable.* He was seventy-eight years old.

CLIPPINGS.

A SUMMER SUNSET.

THE sun sinks low adown mid clouds of gold

That skirt the western sky, and do enfold
The earth with early shadows of the night—
The earth below them in a calm, still light.

In hesitation, o'er the barren hills,
With watchful care his duty he fulfills;
With parting heed he sheds his dying rays;
With one last look he leaves the hills' dark gaze.

Attending clouds are hast'ning to his beams,
That wreathe with fading light the falling gleams,
Which through the heavens go from crimsoned West,
Leaving to quiet nature peace and rest.

The sun retiring thus gives way to night;
Diana rises with her pure still light;
Benign in calm reflection of the sky,
The moon queen sits while night is passing by.

—*Nassau Lit.*

YE CONSTANT LOVER.

I CANNOT leave ye olde love :

Ye new love will nott yielde,
And 'tis not welle, forsooth, to dwelle
Alone on Life's broad Fielde.

Swete May is faire as Roses
That round ye Trelis twine,
And Anne is fairer far than she :—
But—zounds !—she won't be mine.

I kiss my May twice weeklie,
And whisper "I am true,"
I pleade wyth Annie ye other nights :—
Alas, I vainlie sue !

I'll aske swete Anne to wed me ;
And, if she says me nay,
I'll grieve no more ; but leve ye Doore
And go to faythfull May.

I cannott leave ye olde Love :
Ye new Love will nott yielde,
And 'tis not welle, forsooth, to dwelle
Alone on Life's broad Fielde.

—*Yale Record.*

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THE LEHIGH BURR.—SUPPLEMENT.

Vol. 9.

OCTOBER 1, 1889.

No. 1.

NEW STUDENTS.

IN the same year that Lehigh has graduated its largest class, 'Eighty-nine, the largest Freshman Class has entered, and the increase is far greater than that of any previous year. Of the classes now in college, 'Ninety entered 130, 'Ninety-one, 133, 'Ninety-two, 116, and 'Ninety-three, 172. This year 'Ninety returns 55 men, 'Ninety-one returns 90, and 'Ninety-two returns 85.

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